ELECTRICAL LEGEND SINGLE-PHASE CONTINUE HIGH INTENSITY DISCHARGE POLE SINGLE POLE CONTR CONTRACTOR HOA HAND-OFF-AUTOMATIC PUBLIC ADDRESS COORD COORDINATE TWO-CONDUCTOR **HORSEPOWER** PANELBOARD, PULL BOX, OR PUSHBUTTON THREE-CONDUCTOR **CONTROL POWER TRANSFORMER** HEIGHT PREFABRICATED BEDSIDE PATIENT UNIT THREE-PHASE **COLOR RENDERING INDEX** HERTZ POLYCHLORINATED BIPHENYL FOUR-CONDUCTOR **CURRENT TRANSFORMER** PHOTOELECTRIC CELL CABLE TELEVISION 4W **FOUR-WIRE** ILLUMINATION ENGINEERING SOCIETY OF NORTH AMERICARED PEDESTAL COPPER IMC INTERMEDIATE METAL CONDUIT PENDANT AIR CONDITIONING UNIT **CUBIC FEET** INCAND INCANDESCENT POWER FACTOR ARCHITECT/ENGINEER CURRENT INFRARED PHASE ALARM ANNUNCIATOR PANEL **IWH INSTANTANEOUS WATER HEATER** PNLALTERNATING CURRENT OR ARMORED CABLE DECIBEL OR DIRECT BURIAL POWER OPERATED DAMPER **ACCESSIBLE DIRECT CURRENT JUNCTION BOX** POTENTIAL TRANSFORMER **DIMMER CONTROL PANEL ADDITIONAL** POWER TYPE ROOF VENTILATION ADJACENT, ADJOINING DEG C **DEGREES CELSIUS KILOVOLT** POLYVINYL CHLORIDE (PLASTIC) **AUTOMATIC DOOR OPENER DEGREES FAHRENHEIT** kVA KILOVOLT AMPERE **PWR** POWERRCP REFLECTED CEILING PLAN AMPERE FRAME OR AMP FUSE **DEMO DEMOLITION** REC KILOVOLT AMPERE PER HOUR RECESSED AFC ABOVE FINISHED COUNTER, AUTOMATIC DIAG DIAGRAM KILOVOLT AMPERE REACTIVE RECPT RECEPTACLE FREQUENCY CONTROL. OR AVAILABLE FAULT **DISCONNECT KILOWATT** RGS RIGID GALVANIZED STEEL **CURRENT** DISTRIBUTION KILOWATT HOUR RMROOM **DISTR PNL** ABOVE FINISHED FLOOR DISTRIBUTION PANEL KILOWATT HOUR METER RMS **ROOT MEAN SQUARE** AFG ABOVE FINISHED GRADE **DMR SW DIMMER SWITCH** REQD REQUIRED AMPERE HOUR REMOTE GENERATOR ANNUNICATOR LIGHT EMITTING DIODE **AUTHORITY HAVING JURISDICTION** AHJ DOUBLE POLE, DOUBLE THROW LINEAR FEET (FOOT) AMPERE INTERRUPTING CAPACITY DOUBLE POLE, SINGLE THROW LUMEN SCC SHORT CIRCUIT CAPACITY **ALTERNATE** DRSW DOOR SWITCH LIGHT POLE SES SERVICE ENTRANCE SECTION AMBIENT DS **DISCONNECT SWITCH** LOW PRESSURE SODIUM SD SMOKE DETECTOR **AMPERE** DWG DRAWING LRA LOCKED ROTOR AMPS SQUARE FOOT (FEET) **ARCHITECT** LTCP LOCAL TEMPERATURE CONTROL PANEL SHT SHEET **EMPTY CONDUIT** AMPS SHORT CIRCUIT LT LIGHT INTERNATIONAL SYSTEM OF UNITS AMPERE TRIP **EQUIPMENT GROUND** LTG LIGHTING SPEC **SPECIFICATION** AUTOMATIC TRANSFER SWITCH **ELEVATION** LTG PNL LIGHTING PANEL SINGLE POLE, SINGLE THROW AUTO AUTOMATIC ELECTRIC OR ELECTRICAL LIGHTNING **SURF** LTNG SURFACE ΑV **AUDIO VISUAL ELEV** ELEVATOR LOW VOLTAGE SWITCH **EMCP EMERGENCY MONITORING CONTROL PANEL SWBD SWITCHBOARD** BATTERY **EMER EMERGENCY** MASTER ANTENNA TELEVISION SYSTEM **SWITCHGEAR BARE COPPER** ELECTROMAGNETIC INTERFERENCE MAX MAXIMUM BOARD ELECTRICAL METALLIC TUBING MC METAL-CLAD TIME CLOCK BFF BELOW FINISH FLOOR **ENCL** MCA **ENCLOSURE** MINIMUM CIRCUIT AMPS **TELEPHONE** BASIC INSULATION LEVEL EPO MCB MAIN CIRCUIT BREAKER EMERGENCY POWER OFF TWISTED PAIR **BLDG** BUILDING MCC **EPRF** MOTOR CONTROL CENTER **EXPLOSION PROOF TPS** TWISTED PAIR SHIELDED **BOILER PLANT INSTRUMENTATION PANEL ESMT** MDP **EASEMENT** MAIN DISTRIBUTION PANEL TTB TELEPHONE TERMINAL BOARD BRKR **BREAKER EWC ELECTRIC WATER COOLER MECH MECHANICAL TELEVISION** BYP BY PASS EWH **ELECTRIC WATER HEATER** MOTOR GENERATOR TYP TYPICAL **EXIST EXISTING** МН MANHOLE CONDUIT FIRE ALARM MINIMUM UFD UNDERFLOOR DUCT **CABINET** FIRE ALARM ANNUNCIATOR PANEL MAXIMUM OVERCURRENT PROTECTION UGND UNDERGROUND CALCULATE MAIN LUGS ONLY FIRE ALARM BELL UNDERWRITERS LABORATORY CAP **CAPACITY** FIRE ALARM BOX **UNLESS OTHERWISE NOTED** MOUNT CAT CATALOG FIRE ALARM CONTROL PANEL MOUNTED UNINTERRUPTIBLE POWER SUPPLY COMMUNITY ANTENNA TELEVISION **FOOTCANDLE** MTG MOUNTING UTIL UTILITY CONTROL CONTACTOR FILM ILLUMINATOR **MTS** MANUAL TRANSFER SWITCH CCTV **CLOSED CIRCUIT TELEVISION** FIXT FIXTURE MEDIUM VOLTAGE CANDELA FULL LOAD AMPS MVA MEGAVOLT-AMPERE **VOLT AMPERE CONSTRUCTION DOCUMENTS** MEGAWATT MICROWAVE **FLEX** FLEXIBLE METALLIC CONDUIT MW VAR VOLT AMPERE REACTIVE CF CONTRACTOR FURNISHED FLT FLOODLIGHT VFD VARIABLE FREQUENCY DRIVE CF/CI CONTRACTOR FURNISHED/CONTRACTOR FLUOR **FLUORESCENT** NOT APPLICABLE VOLT VOLTAGE INSTALLED FLUOR FIX FLUORESCENT FIXTURE NEC NATIONAL ELECTRICAL CODE CF/OI CONTRACTOR FURNISHED/OWNER INSTALLED FOUTT TELEPHONE FLOOR OUTLET WATT NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION W CFE CONTRACTOR FURNISHED EQUIPMENT FP FIRE PROTECTION **NEUT OR** WATER HEATER NEUTRAL CHW CHILLED WATER FEET OR FOOT NATIONAL FIRE PROTECTION ASSOCIATION WEATHERPROOF CHWP CHILLED WATER PUMP FUSED SWITCH NOT IN CONTRACT CKT CIRCUIT FVNR FULL VOLTAGE NON-REVERSING NIGHT LIGHT XFER TRANSFER CKT BRKR CIRCUIT BREAKER FULL VOLTAGE REVERSING FVR XFMR TRANSFORMER NORMALLY OPEN CLF CURRENT LIMITING FUSE NO SCALE CLG NTS CEILING GROUND OR GENERATOR NOT TO SCALE CONCRETE MASONRY UNIT GENERATOR GEN COAX COAX CABLE GFCI GROUND FAULT CIRCUIT INTERRUPTER OC ON CENTER COMM COMMUNICATION GROUND TERMINAL BOX OD OUTSIDE DIAMETER **COMPT** COMPARTMENT OVERLOAD

CONC

Revisions:

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CONCRETE

ELECTRICAL LEGEND

- RECEPTACLE, DUPLEX, WALL MTD 16" AFF TO BOTTOM, WP = WEATHER PROOF, G = GROUND FAULT INTERRUPTER, C = CEILING MOUNTED, TV = TELEVISION
- RECEPTACLE, DUPLEX ON EMERGENCY POWER
- RECEPTACLE, QUADRAPLEX, WALL MTD 16" AFF TO BOTTOM, WP = WEATHER PROOF, GFI = GROUND FAULT INTERRUPTER, C = CEILING MOUNTED
- RECEPTACLE, DUPLEX, FLOOR MTD
- RECEPTACLE, DUPLEX, CEILING MTD
- JUNCTION BOX W = 120V CONNECTION FOR LAVATORY SENSOR
- TELEPHONE/DATA OUTLET FLOOR MOUNTED
- TELEPHONE/DATA OUTLET
- TELEVISION OUTLET
- ROUGH IN FOR WIRELESS ACCESS POINT INSTALLED ABOVE CEILING
 - RACEWAY IN WALLS OR CEILING
 - RACEWAY IN WALLS OR CEILING, LOW VOLTAGE
- PANEL BOARD, RECESSED
- PANEL BOARD, SURFACE MOUNTED
- HOME RUN TO PANEL BOARD, NUMBER IS CKT. #
- DISCONNECT SWITCH, RATING, POLES, FUSING, AND ENCLOSURE RATING NOTED
- RECESSED DOWNLIGHT
- 2x4 ACRYLIC LIGHT FIXTURE
- 2x4 ACRYLIC LIGHT FIXTURE W/ EMERGENCY BALLAST
 - 2x2 ACRYLIC LIGHT FIXTURE
- 2x2 ACRYLIC LIGHT FIXTURE W/ EMERGENCY BALLAST
- 2x4 DIRECT/INDIRECT LIGHT FIXTURE
- 2x4 DIRECT/INDIRECT FIXTURE W/ EMERGENCY BALLAST
- 2x2 DIRECT/INDIRECT LIGHT FIXTURE
- 2x2 DIRECT/INDIRECT LIGHT FIXTURE W/ EMERGENCY BALLA\$T
- **⊢O** → 4' LIGHT FIXTURE. STRIP: LETTER INDICATES TYPE.
- **⊠** EXIT SIGN
- LIGHT SWITCH
- WALL MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR. (LINE VOLTAGE)
- CEILING MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR. (LOW VOLTAGE)

PHOTOELECTRIC CELL

- NURSE CALL STATION. BLANK = PATIENT BEDSIDE STATION. MTD 4'-0" AFF UNLESS 🔏
- OTHERWISE NOTED.
- E = EMERGENCY STATION WITH PULL CORD BY BED MTD 5'-0" [1524mm] AFF UNLESS OTHERWISE NOTED.
- D = DUTY STATION. MTD 5'-0" [1524mm] AFF UNLESS NOTED OTHERWISE.
- NURSE CALL STATION. 2 = NURSE'S CALL DOME LIGHT (SUFFIX INDICATES No
- OF LAMP) MTD 6" [152mm] ABOVE DOOR. NURSE'S CALL MASTER STATION MTD ON NURSE'S
- COUNTER TOP UNLESS OTHERWISE NOTED.
- CARD ACCESS READER; LETTER INDICATES AS FOLLOWS: M=MOUNT C-CEILING, D-DESK, F-FLUSH, H-HIDDEN, M-MULLION,
- P-PEDESTAL, R-RACK, S-SURFACE, W-WALL
- T=TECHNOLOGY/TYPE B-BARCODE, F-ELEVATOR FLOOR CALL, H-ELEVATOR HALL CALL, M-MAG STRIP, P-PROXIMITY, S-SMART CARD, T-TOKEN
- PUSH BUTTON; LETTER INDICATES AS FOLLOWS:
- M=MOUNT D-DESK, F-FLUSH, H-HIDDEN, S-SURFACE, W-WALL

PATCH PANEL.

- T=TECHNOLOGY/TYPE
- ROUGH-IN FOR VA FURNISHED IP CAMERA. ROUTE 1 CATEGORY 6 CABLE IN 3/4" CONDUIT BACK TO SECURITY

B-BELL PUSH, D-DURESS, P-PANIC, R-DOOR RELEASE

GENERAL NEW WORK NOTES

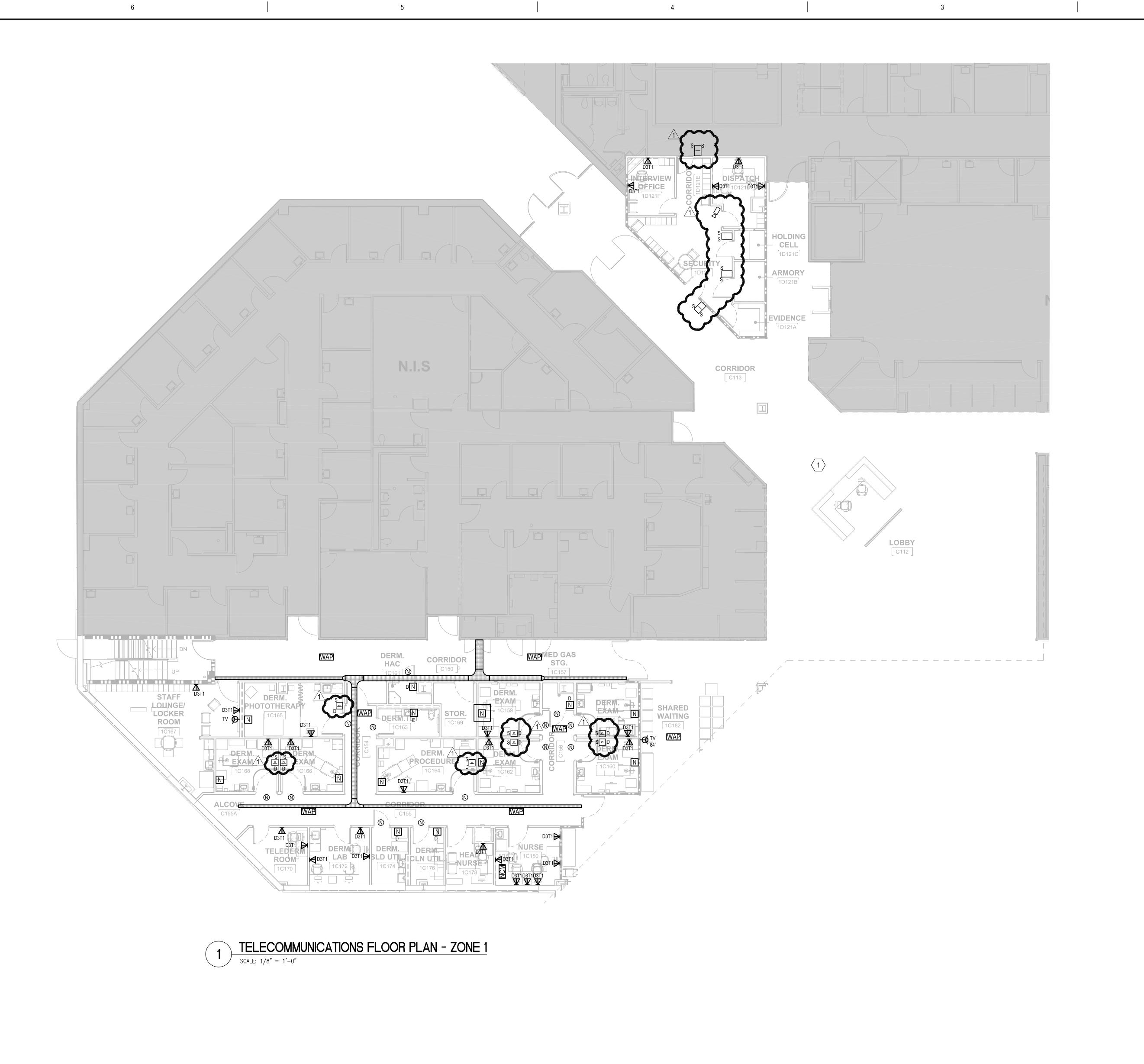
- ALL ELECTRICAL WIRING, CONDUIT, DEVICES, EQUIPMENT AND MATERIALS SHALL BE NEW UNLESS NOTED OTHERWISE.
- 2. ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRIC SAFETY CODE (IEEE C-2) AND THE 2011 NATIONAL ELECTRIC CODE (NFPA 70).
- 3. ALL CONDUCTORS SHALL BE COPPER UNLESS NOTED OTHERWISE
- 4. ALL INTERIOR ELECTRICAL WIRING SHALL BE IN METALLIC CONDUIT UNLESS NOTED OTHERWISE.
- PROVIDE FLEXIBLE METALLIC CONDUIT TO ALL MOTOR OPERATED
- MATCH CIRCUIT BREAKER KAIC RATINGS TO EXISTING PANELS.
- FURNISH ALL LABOR AND TOOLS NECESSARY, AND FURNISH AND INSTALL ALL MATERIALS AND EQUIPMENT IN A FASHION COMPLYING WITH ALL APPLICABLE CODES, UFC'S AND AUTHORITY HAVING JURISDICTION REQUIREMENTS, INCLUDING ITEMS REQUIRED BUT NOT NECESSARILY SHOWN SUCH AS LAMPS, COUPLINGS, HANGERS BRACKETS, CLAMPS, BOXES, CONNECTORS AND HARDWARE,
- BEFORE SUBMITTING THE BID PROPOSAL, VISIT THE JOB SITE AND BECOME FULLY ACQUAINTED WITH THE JOB CONDITIONS. VERIFY SERVICE REQUIREMENTS, INCLUDING ALL NECESSARY PULLBOXES SIZE AND NUMBER OF CONDUITS AND CONDUCTORS, PANELS, SWITCHBOARDS, DISCONNECT SWITCHES, CABLES, ETC., WHETHER SHOWN ON DRAWINGS OR NOT, BUT REQUIRED FOR PROVIDING A COMPLETE AND OPERABLE ELECTRICAL SYSTEM WITHOUT ADDITIONAL COST TO THE OWNER.
- 9. ALL INTERIOR ENCLOSED DISCONNECT SWITCHES AND CIRCUIT BREAKERS SHALL BE NEMA 1, UNLESS OTHERWISE NOTED.
- 10. ALL RECEPTACLES DENOTED WITH "GF" GROUND FAULT CIRCUIT INTERRUPTION SHALL BE WIRED TO THE LINE TERMINALS ONLY. DOWNSTREAM "GF" RECEPTACLES SHALL NOT BE FED BY THE LOAD TERMINALS OF UPSTREAM "GF" DEVICES. (TYPICAL)

GENERAL DEMOLITION NOTES

- LOCATION OF EXISTING EQUIPMENT, CONDUITS, OUTLETS, DEVICES, CONTROLS AND ALL CONCEALED WORKS, ARE APPROXIMATE. NOT ALL CIRCUITS, SUPPORTS, DEVICES, AND FIXTURES ARE SHOWN.
- 2. DURING THE LIFE OF THE CONTRACT, CONSTRUCTION AND DEMOLITION TO THE POINT OF BENEFICIAL OCCUPANCY BY OWNER, THE CONTRACTOR SHALL PROTECT ALL SYSTEMS OR PORTIONS OF SYSTEMS TO REMAIN FOR REUSE FROM DAMAGE. ALL SYSTEMS SHALL BE TESTED IN SERVICE AFTER COMPLETION OF CONSTRUCTION AND MADE COMPLETE AND OPERABLE AT NO ADDITIONAL COST TO THE GOVERNMENT.
- 3. NOT ALL CIRCUITS AND DEVICES ARE INDICATED. FOR EACH DEVICE THERE IS A CIRCUIT OR FEEDER BACK TO THE POINT OF ORIGIN. WHERE WALLS. FLOORS OR CEILINGS ARE TO BE DEMOLISHED ALL DEVICES, WIRING, AND CONDUIT SHALL BE REMOVED UNLESS INDICATED OTHERWISE.
- 4. SEE ARCHITECTURAL DRAWINGS AND SPECIFICATION FOR ADDITIONAL INFORMATION. COORDINATE ALL DEMOLITION WITH ALL TRADES INVOLVED.
- 5. EXISTING PIPING AND/OR CONDUIT RUN CONCEALED IN FLOOR SLAB OR UNDERGROUND AND NOT INDICATED OR SPECIFIED FOR REUSE IN NEW WORK SHALL BE ABANDONED UNLESS NOTED OTHERWISE. CUT PIPING AND/OR CONDUIT AT FLOOR AND SEAL BY AN APPROVED METHOD.
- 6. AREAS MADE BARE BY DEMOLITION SHALL BE PATCHED WITH APPROVED FILL TO MATCH ADJACENT SURFACE. ALL REPAIRS AND NEW FINISH SHALL BE BY TRADES SKILLED IN FINISH WORKS UNDER EMPLOY OF THE CONTRACTOR.
- 7. ALL ELECTRIC WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRIC SAFETY CODE (IEEE C-2) AND THE 2008 EDITION OF THE NATIONAL ELECTRIC CODE (NFPA 70).
- 8. IT IS THE DECLARED AND ACKNOWLEGED INTENTION AND MEANING TO DEMOLISH ALL RECEPTACLES. DATA/COMM OUTLETS AND TELEPHONE OUTLETS IN THE INDICATED WORK AREA COMPLETE BACK TO POINT OF ORIGIN, INCLUDING BUT NOT LIMITED TO CONDUIT AND WIRING.

CONSTRUCTION DOCUMENTS SUBMISSION

FULLY SPRINKLERED Drawing Title Project Number CONSULTANTS: ARCHITECT/ENGINEERS: IMPROVE OUTPATIENT SPECIALTY **||598-13-107 CENTRAL ARKANSAS LEGEND NOTES & ABBREVIATIONS** CLINIC SUPPORT AREAS **Building Number VETERANS AFFAIRS HEALTHCARE** BES DESIGN/BUILD, LLC B S DESIGN/BUILD Approved: Project Director **Drawing Number** SYSTEM 766 Middle St, Fairhope, AL 36532 LITTLE ROCK, AR Phone: 251.990.5778 Fax: 251.990.3716 Checked 2015-07-16 ADDENDUM #1 2015.03.06 KRW Dwg. **124**



one eighth inch = one foot

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GENERAL NOTES

- 1. ROUTE ALL CABLING TO EXISTING TELECOMMUNICATIONS / SIG CLOSETS SERVING THIS SPACE. TERMINATE ALL CABLE TO EXISTING EQUIPMENT.
- 2. CONTRACTOR SHALL FIELD VERIFY IF EXISTING EQUIPMENT TO REMAIN IS IN PROPER OPERATING ORDER AND SHALL EXPAND/REPLACE IF REQUIRED.
- 3. CONTRACTOR SHALL ENSURE ALL CABLING SERVING AREAS OUT OF SCOPE SHALL REMAIN IN TACT AND OPERATIONAL DURING CONSTRUCTION PROCESS. ANY OUTAGES SHALL BE COORDINATED WITH VA PRIOR TO COMMENCEMENT OF WORK.
- 4. CONTRACTOR SHALL COORDINATE ALL DEVICE PLACEMENT WITH ELECTRICAL PRIOR TO ROUGH—IN TO ENSURE THERE IS NO CONFLICT BETWEEN SYSTEMS.

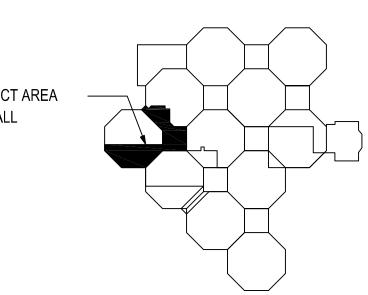
LEGEND



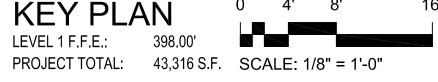
INDICATES AREAS OUTSIDE OF SCOPE OF WORK.

SHEET NOTES

EXISTING FLOOR MOUNTED DATA/PHONE OUTLET TO REMAIN. CONTRACTOR SHALL ENSURE THAT OUTLET IS PROTECTED DURING CONSTRUCTION PHASE.







CONSTRUCTION DOCUMENTS SUBMISSION **FULLY SPRINKLERED**

Drawing Title Project Number CONSULTANTS: ARCHITECT/ENGINEERS: IMPROVE OUTPATIENT SPECIALTY 598-13-107 CENTRAL ARKANSAS **TELECOMMUNICATIONS PLAN - ZONE 1** CLINIC SUPPORT AREAS Building Number **VETERANS AFFAIRS** HEALTHCARE BES DESIGN/BUILD, LLC BESS DESIGN/BUILD Approved: Project Director Drawing Number Location LITTLE ROCK, AR SYSTEM 766 Middle St, Fairhope, AL 36532 Phone: 251.990.5778 Fax: 251.990.3716 ET101 Checked Drawn Department of Veterans Affairs 2015-07-16 2015.03.06 ADDENDUM #1 KRW Dwg. **134** of **143** Date Revisions:

